DUPONT™ PROSHIELD® 20 SFR

TECHNICAL DATA SHEET

CAT III

T5

T6

EN 1073-2

EN 1149-5

EN 14116 (index 1)



PRODUCT INFORMATION

DuPont™ ProShield® 20 SFR. Limited flame spread coverall (index 1) with hood. Stitched external orange seams. Elasticated wrists, ankles, face and waist. White.

ATTRIBUTES

Full Part Number	F1CHF5SWH00
Fabric/Materials	FR SMS
Design	Hooded coverall with elastics
Seam	Stitched (external), orange
Color	White
Sizes	MD, LG, XL, 2X, 3X
Quantity/Box	50 per box, individually packed.

FEATURES

- Certified according to Regulation (EU) 2016/425.
- Chemical protective clothing, Category III, Type 5 and 6.
- EN 14116 index 1 (limited flame spread), EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on both sides.
- Stitched external seams in orange for visual identification and differentiation
- Zipper flap for protection
- Non-halogenated flame-retardant non-woven fabric, free of substances of very high concern to be compliant with REACH regulations
- *Test conducted on certain FR fabrics and FR garments have demonstrated that antistatic properties reduce overtime. In the interests of safety, that's why we initially limit the shelf-life for the antistatic property of ProShield® FR to 18 months

SIZETABLE

PRODUCT SIZE	ARTICLE NUMBER	ADDITIONAL INFO
MD	D14591556	
LG	D14591547	
XL	D14591537	
2X	D14591523	
3X	D14591515	

PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Abrasion Resistance [7]	EN 530 Method 2	>100 cycles	2/6 [1]
Basis Weight	DIN EN ISO 536	60 g/m^2	N/A
Colour	N/A.	White	N/A
Flex Cracking Resistance [7]	EN ISO 7854 Method B	>100000 cycles	6/6 [1]
Limited Flame Spread [7]	EN ISO 15025:2003 procedure A	Pass	Index 1 [4]
Puncture Resistance	EN 863	>5 N	1/6 [1]
Surface Resistance at RH 25%, inside [7]	EN 1149-1	< 2,5 • 10^9 Ohm	N/A
Surface Resistance at RH 25%, outside [7]	EN 1149-1	< 2,5 • 10^9 Ohm	N/A

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PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 [1]
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>20 N	2/6 [1]
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>20 N	2/6 [1]

1 According to EN 14325 | 2 According to EN 14126 | 3 According to EN 1073-2 | 4 According to EN 14116 | 12 According to EN 11612 | 5 Front Tyvek ® / Back | 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | > Larger than | < Smaller than | <= Smaller than or equal to | N/A Not Applicable | STD DEV Standard Deviation |

GARMENT PERFORMANCE

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Nominal protection factor [7]	EN 1073-2	>5	1/3 [3]
Seam Strength	EN ISO 13935-2	>75 N	3/6 [1]
Shelf Life [7]	N/A.	18 months [6]	N/A
Type 5: Inward Leakage [11]	EN ISO 13982-2	6 %	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass	N/A
Type 6: Resistance to Penetration by Liquids (Low Level Spray Test)	EN ISO 17491-4, Method A	Pass	N/A

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN 11612 | 13 According to EN 11611 | 5 Front Tyvek ® / Back | 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | 11 Based on the average of 10 suits, 3 activities, 3 probes | > Larger than | < Smaller than | <= Smaller than or equal to | N/A Not Applicable | * Based on lowest single value |

COMFORT

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Air Permeability (Gurley method)	TAPPI T460	0 s	N/A
Air Permeability (Gurley method)	TAPPI T460	Yes	N/A

2 According to EN 14126 | 5 Front Tyvek ® / Back | > Larger than | < Smaller than | <= Smaller than or equal to | N/A Not Applicable |

PENETRATION AND REPELLENCY

PROPERTY	TEST METHOD	TYPICAL RESULT	EN
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>95 %	3/3 [1]
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3/3 [1]
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3/3 [1]
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3/3 [1]

1 According to EN 14325 | > Larger than | < Smaller than | <= Smaller than or equal to |

WARNING

ProShield® FR model CHF5 is made of fabric that offers a limited protection against flame. Index 1 fabrics will melt and holes will be formed. The material does not constitute a thermal barrier. ProShield® FR model CHF5 must always be worn on top of under garments that are heat and flame protective garments of index 2 or 3. ProShield® FR model CHF5 must never be in direct contact with the skin.

The antistatic properties may reduce over time. The user must ensure the dissipative performance is sufficient for the application.

The garment does not protect against ionizing radiation.

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Our powerful web-based tool can assist you with finding the appropriate DuPont garments for chemical and controlled environment hazards.



DuPont Personal Protection SafeSPEC™

DuPont Personal Protection

DuPont Personal Protection

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